

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1-54 (canceled)

Claim 55 (Currently amended): An apparatus for applying a blood vessel clip comprising:

a grip assembly;
an applicator barrel extending from the grip assembly ~~and defining an exit aperture;~~
a magazine attached to the applicator barrel and defining an exit aperture at a distal end thereof, the magazine capable of storing at least one blood vessel clip and the at least one blood vessel clip being configured to translate through the exit aperture as the at least one blood vessel clip is moved distally through the magazine;

a first pin extending distally from the applicator barrel on one side of the exit aperture;
and

a second pin extending distally from the applicator barrel on substantially the other side of the exit aperture.

Claim 56 (Previously presented): The apparatus as recited in claim 55, wherein the exit aperture defines a first plane, at least one of the first and second pins located in a plane other than the first plane.

Claim 57 (Previously presented): The apparatus as recited in claim 56, wherein at least one of the first and second pins lies in a plane substantially perpendicular to the first plane.

Claim 58 (Previously presented): The apparatus as recited in claim 55, wherein at least one of the first and second pins is fixed relative to the applicator barrel.

Claim 59 (New): An apparatus for applying a blood vessel clip comprising:

- a grip assembly including a handle;
- an applicator barrel attached to the grip assembly;
- a magazine connected to the applicator barrel, the magazine having a plunger space and a magazine passage separated by a divider shim wherein a distal end of the magazine defines an exit aperture, the magazine passage adapted to hold at least one blood vessel clip; and
- a plunger extending into the plunger space, the plunger operably connected to the grip assembly and adapted to move the at least one blood vessel clip through the exit aperture.

Claim 60 (New): The apparatus of claim 59, wherein the magazine includes a constricted region narrower than a head of the blood vessel clip, the constricted region spaced apart from the exit aperture and having a narrowest point narrower than the exit aperture.

Claim 61 (New): The apparatus of claim 59, wherein a distal end of the applicator barrel includes first and second pins extending distally therefrom and at least one pin is attached to the distal end of the applicator barrel.

Claim 62 (New): The apparatus of claim 61, wherein at least one pin exists in a plane substantially parallel to a plane defined by the exit aperture.